

SEQUENCE LISTING

<110> Kevin J. Kayser
 John J. Kilbane, II
 <120> System and Method for Gene Expression in Thermus Strains
 <130> IGT-1444
 <140>
 <141>
 <160> 5
 <170> WordPerfect 9.0
 <210> 1
 <211> 48
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> terminator located either 3' or 5' to proximal end
 of gene of interest
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 <211> 50
 <212> DNA
 <213> Artificial Sequence
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 <223> 5' UTR added to five prime of transcript
 <400> 2
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 <212> DNA
 <213> Artificial Sequence
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 <223> RBS addition to expression vector
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 AAAGGGA 7
 <210> 4
 <211> 8
 <212> DNA
 <213> Artificial Sequence
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 <223> RBS addition to expression vector
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1086105.025002

GAAGGAGG

8

<210> 5
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<212> DNA
<213> Artificial Sequence

<220>
<223> Inducible promoter mdh

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ACCCGCGTCC TGGTCCAGGG CATCACCGGC CGGGAGGGGC AGTTCCACAC CAAGCAGATG 180
CTGGACTACG GCACCAAGAT CGTCGCCGGG GTCACCCCGG GCAAAGGGGG AACGGAGGTC 240
CTAGGGGTCC CCGTCTACGA CACGGTGAAG GAGGCGGTGG CGCACCACGA GGTGGACGCC 300
TCCATCATCT TCGTGCCCGC CCGGCCCGCG GCGGACGCCG CCCTGGAAGC GGCCACGCC 360
GGGATCCCC TCATCGTCCT CATCACCGAG GGCATCCECA CCCTGGACAT GGTGCGGGCG 420
GTGGAGGAGA TCAAGGCCCT GGAAGCCGC CTCATCGGGG GGAAGTCCC GGGGATCATC 480
AGCGCCGAGG AGACCAAGAT CGGGATCATG CCCGGCCACG TCTTCAAGCG GGGCCGGGTG 540
GGGATCATCA GCGCTCCGG CACCCTCACC TACGAGGCCG CAGCCGCCCT TTCCCAGGCG 600
GGGCTCGGCA CCACCACCAC GGTGGGGATC GGGGGCGACC CCGTCATCGG CACCACCTTC 660
AAGGACCTCC TCCCCCTCTT CAACGAGGAC CCGGAGACGG AGGCCGTGGT CCTCATCGGG 720
GAGATCGGCG GCTCCGACGA GGAGGAGGCG GCGGCTTGGG TGAAGGACCA CA 772

1005105.022902